



ENFORCER Products, Inc.
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1-888-805-HELP

Material Safety Data Sheet

and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name Industrial Purple Cleaner and Degreaser

Product Code HD0856-128/5G CN0856-128/5G
Date of issue 02/22/02 **Supersedes**

Emergency Telephone Numbers For MSDS Information:
Compliance Services (404) 352-1680

For a Medical Emergency:
CHEM-TEL
(800) 255-3924 (Toll Free - Calls Recorded)

For a Transportation Emergency:
CHEMTREC
(800) 424-9300 (Toll Free - Calls Recorded)

Printing Date:

Prepared by Compliance Services Group
Acuity Specialty Products Group
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
SODIUM HYDROXIDE; caustic soda; soda lye	1310-73-2	0-10	ACGIH / OSHA (United States). CEIL: 2 mg/m ³
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	0-10	ACGIH TLV (United States). Skin TWA: 20 ppm Form: Vapor OSHA PEL (United States). Skin TWA: 25 ppm Form: Vapor

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Skin Hazardous in case of skin contact (corrosive, permeator). Skin contact may produce burns.

Eyes Hazardous in case of eye contact (corrosive).

Inhalation Slightly hazardous in case of inhalation (lung corrosive). Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.

Ingestion May be fatal if swallowed. May cause burns to mouth, throat, and stomach.

HMIS	
Health	3
Fire Hazard	1
Reactivity	0
Personal Protection	D

Carcinogenic Effects Not listed as carcinogen by OSHA, NTP or IARC.

Chronic Effects The substance may be toxic to blood, kidneys, liver. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

Skin Contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

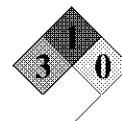
Section 5. Fire Fighting Measures

Flash Point CLOSED CUP: Higher than 93.3°C (200°F). **Flammable Limits** The greatest known range is LOWER: 1.19% UPPER: 12.7%

Flammability Non-flammable.

Fire Hazard Not applicable.

Fire-Fighting Procedures SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.



Section 6. Accidental Release Measures

Spill Clean up Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Section 7. Handling and Storage

Handling Avoid prolonged contact with eyes, skin, and clothing. Avoid contact with eyes. Do not ingest. Do not breathe vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection**Personal Protection**

Eyes Chemical splash goggles.

Body Synthetic apron. Use chemical resistant, impervious gloves.

Respiratory Wear appropriate respirator when ventilation is inadequate.

Protective Clothing (Pictograms)**Section 9. Physical and Chemical Properties**

Physical State Liquid.

pH 13.0 - 14.0

Boiling Point 100°C (212°F)

Specific Gravity 1.06 (Water = 1)

Solubility Easily soluble in cold water, hot water.

Color Purple.

Odor Characteristic.

Vapor Pressure Not available.

Vapor Density Not available.

Evaporation Rate <1 compared to Butyl acetate.

VOC (Consumer) 53 (g/l).

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Highly reactive with acids.

Reactive with metals.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products These products are carbon oxides (CO, CO₂).

Section 11. Toxicological Information**Toxicity to Animals****Sodium Hydroxide:**

ORAL (LD50): Acute: 500 mg/kg [Rat].

Ethylene Glycol Monobutyl Ether:

ORAL (LD50): Acute: 1746 mg/kg [Rat]. 1519 mg/kg [Mouse]. 1414 mg/kg [Guinea pig].

DERMAL (LD50): Acute: 435 mg/kg [Rabbit]. >2000 mg/kg [Guinea pig].

VAPOR (LC50): Acute: 700 ppm 7 hour(s) [Mouse]. >633 ppm 1 hour(s) [Guinea pig]. >691 ppm 1 hour(s) [Guinea pig].

Section 12. Ecological Information

Ecotoxicity Not available.

Biodegradable/OECD Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Code: D002

Classification: Corrosive

Origin: RCRA

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name Corrosive liquids, basic, NOS(Sodium hydroxide)

DOT Classification Class 8: Corrosive material
CLASS 6.1: Poisonous material.

UN number 3266

TDG Classification Class 8: Corrosive material
CLASS 6.1: Poisonous material.
CLASS: 9.2: Environmentally hazardous material.

Section 15. Regulatory Information

U.S. Federal Regulations SARA 313 toxic chemical notification and release reporting: Ethylene glycol monobutyl ether
Clean Water Act (CWA) 311: Sodium hydroxide
Clean air act (CAA) 112 regulated toxic substances: Ethylene glycol monobutyl ether

State Regulations California prop. 65: No products were found.

WHMIS (Canada) CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).
CLASS E: Corrosive liquid.

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.